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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)										DATE February 2002	
APPROPRIATION/BUDGET ACTIVITY RDT&E/Defense Wide/BA 1								R-1 ITEM NOMENCLATURE Force Health Protection Research PE 0601105D8Z			

<i>COST (In Millions)</i>	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY2006	FY 2007	Cost to Complete	Total Cost
Total Program Element (PE) Cost	29.366	36.442	9.973	9.937	9.965	10.131	10.861	Continuing	Continuing
Gulf War Illnesses Research/P105	29.366	36.442	9.973	9.937	9.965	10.131	10.861	Continuing	Continuing

(U) A. Mission Description and Budget Item Justification

(U) BRIEF DESCRIPTION OF ELEMENT

(U) Force Health Protection Research seeks to enhance the protection of Service members against health threats in military deployments both by increasing our understanding of military health issues and by applying the findings from a decade of research on the etiology and treatment of Gulf War illnesses (GWI). This program is conducted in coordination with the Research Working Group of the interagency Military and Veterans Health Coordinating Board.

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(U) **Project Number and Title: P105 Gulf War Illnesses Research**

(U) **PROGRAM ACCOMPLISHMENTS AND PLANS**

(U) **FY 2001 Accomplishments:**

(U) In FY 2001, this program supported essential military missions through the following accomplishments: Initiated new competitively funded projects in neurobiology of stress, with emphasis on development of objective measures of brain changes and functional deficits in symptomatic Gulf War veterans; deployment toxicology methods, with emphasis on methods to detect chemical exposures; health risks of heavy metals, including depleted uranium and its proposed replacement, tungsten, that may be used in munitions and armor; and force health protection epidemiology, including comparison of U.S and U.K. Gulf War veteran cohorts (\$ 10.000 million).

(U) Awarded continuations of projects at the University of Texas Southwestern Medical Center on Gulf War Illnesses diagnostic criteria, and Georgetown University on comparative studies of Gulf War Illnesses, Chronic Fatigue Syndrome, and Fibromyalgia (Congressional adds \$ 11.000 million)

(U) Continued program on Health Behaviors Interventions research with multi-Service studies on alcohol abuse prevention, tobacco cessation, unintended pregnancy and sexually transmitted disease prevention, and weight management studies. (\$ 2.000 million)

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(U) Continued Leishmania diagnostics and treatments research, completed milestone review, and planned remaining science and technology base studies (\$ 1.500 million)

(U) Completed external peer review and continued the DoD epidemiological research effort at the Deployment Health Research Center, including initiation of the Millenium Cohort Study (MCS), Recruit Assessment Program (RAP), and deployment health assessments (\$ 3.250 million)

(U) Provided program management, contract servicing, and supplemental funding to previously funded GWI research studies. Specific findings from completed and ongoing studies are summarized for more than 120 DoD-sponsored projects in the Annual Report to Congress (\$ 1.616 million)

(U) FY 2002 Plans:

(U) In FY 2002, this program will continue to support essential military missions through the following activiteis: Competively fund studies of low level chemical exposures relevant to Gulf War veterans (\$1.650 million).

(U) Initiate new projects in risk communications research, neurobiology of stress and immune function, deployment toxicology methods, and force health protection epidemiology (\$ 15.000 million).

(U) Continue program on Health Behaviors Interventions Research with completion of unintended pregnancy and sexually-transmitted disease longitudinal study, continuation of multi-Service studies on weight management, alcohol abuse prevention, and tobacco cessation (\$ 3.000 million).

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(U) Continue the DoD epidemiological research effort at the Deployment Health Research Center, including the Millenium Cohort Study (MCS) collaboration with the Department of Veterans Affairs, Recruit Assessment Program (RAP), and deployment health assessments (\$ 3.250 million)

(U) Continue development of Leishmania diagnostics and treatments (\$ 1.500 million).

(U) Provide program management, contract servicing, and supplemental funding to previously funded GWI research studies (\$ 2.552 million).

(U) Award continuations of peer-reviewed projects at the University of Texas Southwestern Medical Center on Gulf War Illnesses diagnostic criteria, and Georgetown University on comparative studies of Chronic Fatigue Syndrome, and Fibromyalgia (Congressional adds \$ 9.490 million)

(U) FY 2003 Plans:

(U) In FY 2003, this program will support essential military missions through the following activities: Continue projects in risk communications research, neurobiology of stress and immune function, deployment toxicology methods, and force health protection epidemiology (\$ 3.000 million).

(U) Continue program on Health Behaviors Interventions research and expand multi-Service studies on biology, individual variation, and readiness associations of weight management (\$ 3.000 million).

(U) Continue an expanded Tri-Service epidemiological research effort at the Naval Health Research Center involving deployment health assessments, including continuation of the Millenium Cohort Study and forward deployed research on Reserve and National Guard units (\$ 3.000 million).

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(U) Provide program management, contract servicing, and supplemental funding to previously funded GWI research studies (\$ 0.973 million).

(U) <u>B. Program Change Summary</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>Total Cost</u>
Previous President's Budget Submit	16.978	16.856	5.033	Continuing
Delta	+12.388	+10.096	0.000	
FY 2002 Amended President's Budget Submission	29.366	26.952	5.033	
Appropriated Value	27.978	36.652	0.000	Continuing
Adjustments to Appropriated Value				
a. Congressionally Directed Undistributed Reduction	0.000	-0.210	0.000	
b. Rescission/Below-threshold Reprogramming, Inflation Adjustment	1.388	0.000	0.000	
c. Other	0.000	0.000	4.904	
President's Budget Submission	29.366	36.442	9.937	Continuing

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Change Summary Explanation:

- (U) **Funding:** FY 2001 reductions reflect Section 8086 adjustments and increases reflect adds for continuation of efforts at University of Texas Southwest Medical Center and Georgetown University. FY 2002 and FY 2003 reflects increases in the Amended President's Budget for force health protection research.
- (U) **Schedule:** FY 2003 funding projects permit continuation of key Force Health Protection efforts including longitudinal studies such as the Millenium Cohort Study and health behaviors interventions research.
- (U) **Technical:** FY 2002 and FY 2003 increases permit follow on studies using emerging findings and new technologies in functional brain imaging, neuropsychological testing, and biochemical techniques that will substantially advance deployment stress management and environmental exposure and health risk assessments.
- (U) C. **OTHER PROGRAM FUNDING SUMMARY COST:** N/A
- (U) D. **ACQUISITION STRATEGY:** N/A
- (U) E. **SCHEDULE PROFILE:** N/A

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